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**CERTIFICATE OF MAILING  
UNDER 37 CFR 1.8**

**Date of Deposit: February 18, 2005**

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Alexandria, VA 22313-1450

Title: CRYPTOGRAPHIC METHOD AND DEVICES FOR  
FACILITATING CALCULATIONS DURING TRANSACTIONS

Inventor(s): Girault et al.

Application No.: 10/519,698

Filed: December 27, 2004

Enclosed:

1. Transmittal Form (1 pg)
2. Information Disclosure Statement (4 pgs) and duplicate thereof (4 pgs)
3. 1449 Form (1 pg)
4. Copies of Nine (9) Cited References (AA-AI)
5. Copy of International Search Report for PCT/FR03/02000 (3 pgs)
6. Return postcard

Irina L. Mikitiouk  
Typed or Printed Name

*I. Mikitiouk*  
Signature

Attorney Docket No. **P1907US**  
Client No. 084526-1907



Please type a plus sign (+) inside this box → ☒

PTO/SB/21 (6-98)

Approved for use through 09/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/519,698

Filing Date December 27, 2004

First Named Inventor Marc GIRAULT

Group Art Unit Unassigned

Examiner Name Unassigned

Attorney Docket Number P1907US

### ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/  
Incomplete Application

☐ Response to Missing  
Parts under 37 CFR  
1.52 or 1.53

☐ Assignment Papers  
(for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition Routing Slip (PTO/SB/69)  
and Accompanying Petition

☐ Petition to Convert to a  
Provisional Application

☐ Power of Attorney, Revocation  
Change of Correspondence Address

☐ Terminal Disclaimer

☐ Small Entity Statement

☐ Request for Refund

☐ After Allowance Communication to  
Group

☐ Appeal Communication to Board of  
Appeals and Interferences

☐ Appeal Communication to Group  
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Additional Enclosure(s)  
(please identify below):

1449 Form; Copies of Nine (9) Cited  
References (AA-AI); Copy of  
International Search Report for  
PCT/FR03/02000; Certificate of  
Mailing under 37 CFR 1.8; Postcard

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

Richard A. Wulff, Reg. No. 42,238  
Gardner Carton & Douglas LLP

Signature

Date

February 18, 2005

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date February 18, 2005

Typed or printed name

Irina L. Mikitiouk

Signature

Date

February 18, 2005

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CH02/ 22369315.1



**PATENT**  
Attorney Docket No. P1907US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Girault et al.

Application No. 10/519,698

Filed: December 27, 2004

Group Art Unit: Unassigned

Examiner: Unassigned

For: CRYPTOGRAPHIC METHOD AND  
DEVICES FOR FACILITATING  
CALCULATIONS DURING TRANSACTIONS

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is material, relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ **within** any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date

of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

- ☐ **after** (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:

☐ the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).

*or*

☐ the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and **within** thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.

### Copies of the References

- ☒ Copies of the references listed on the enclosed Form 1449 are enclosed herewith. Attached to each reference not in the English language is a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3).

- ☐ The filing date of the subject application is after June 30, 2003. Therefore, copies of U.S. patents and patent applications that are listed on the accompanying Form 1449 are not enclosed herewith in accordance with the U.S. Patent and Trademark Office's waiver of the requirement under 37 CFR 1.98 (see Official Gazette Notice of August 5, 2003). Copies of other references identified on the accompanying Form 1449 are enclosed herewith.

- ☒ A copy of the foreign search report is enclosed herewith.

- ☐ The references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining

Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

U.S. APPLICATIONS		Status ( <i>check one</i> )		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1.				
2.				
3.				

**Statement under 37 CFR 1.97(e)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned** hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

**Statement under 37 CFR 1.704(d)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

**Fees**

- ☒ No fee is owed by the applicant(s).  
☐ The IDS Fee of \$180 under 37 CFR 1.17(p) is enclosed herewith.

**Method of Payment of Fees**

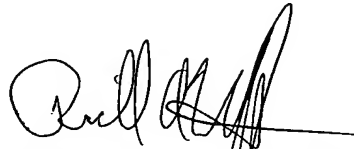
- ☐ Attached is a check in the amount of \$ .  
☐ Charge Deposit Account No. 07-0181 in the amount of \$ . (A duplicate copy of this communication is enclosed for that purpose.)

**Authorization to Charge Additional Fees**

- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 07-0181. (A duplicate copy of this communication is enclosed for that purpose.)

**Instructions as to Overpayment**

- ☒ Credit Account No. 07-0181.  
☐ Refund



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(312) 569-3000 (facsimile)  
Customer No.: 08968

Date: February 18, 2005

**CERTIFICATE OF MAILING**

I hereby certify that this INFORMATION DISCLOSURE STATEMENT (along with any documents referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Date:

February 18, 2005



Irina L. Mikitiouk

Please type a plus sign (+) inside this box →



Substitute for form 1449A/B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

### Complete if Known

Application Number	10/519,698
Filing Date	December 27, 2004
First Named Inventor	Marc GIRAULT
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	P1907US

### U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
	AA	4,995,082	A	Schnorr	February 19, 1991	
	AB	5,748,782	A	Ferreira et al.	May 5, 1998	
	AC	2003/0163699	A1	Pailles et al.	August 28, 2003	

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
	AD	FR	2 716 058	A1	France Telecom	August 9, 1995		X <sup>+</sup>
	AE	FR	2 752 122	A1	France Telecom	February 6, 1998		X <sup>+</sup>
	AF	FR	2 718 311	A1	T.R.T. Telecommunications Radioelectriques et Telephoniques	May 5, 1998		X <sup>+</sup>
	AG	FR	2 792 142	A1	France Telecom	October 13, 2000		X <sup>+</sup>

### OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
	AH	RIVEST et al., "A Method for Obtaining Digital Signatures and Public-Key Cryptosystems," Communications of the ACM., 21(2), pp. 120-126 (February 1978)		
	AI	SCHNORR, "Efficient Identification and Signatures for Smart Cards," Lecture Notes in Computer Science, Springer Verlag, New York, NY, pp. 239-252 (August 20, 1989)		

Examiner Signature

Date Considered

\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

CH02/ 22369308.1